Fig. 1

tgaaaactttactttatggtatcgttacgtcgtcctcgctgaggatcaactatcgcaaacgagc ataaac \underline{a} ggatcgccatc \underline{atg} caaaaagacgcgctgaataacgtacatattaccgacgaacagg ttttaatgactccggaacaactgaaggccgcttttccattgagcctgcaacaagaagcccagat tgctgactcgcgtaaaagcatttcagatattatcgccgggcgcgatcctcgtctgctggtagta tgtggtccttgttccattcatgatccggaaactgctctggaatatgctcgtcgatttaaagccc $\verb|ttgccgcagaggtcagcgatagcctctatctggtaatgcgcgtctattttgaaaaaccccgtac|$ gggctgcagatcgcgcgtaaattgctgcttgagctggtgaatatgggactgccactggcgacgg aagcgttagatccgaatagcccgcaatacctgggcgatctgtttagctggtcagcaattggtgc aaaaacggcaccgacggcagtctggcaacagcaattaacgctatgcgcgccgccgcccagccgc accgttttgttggcattaaccaggcagggcaggttgcgttgctacaaactcaggggaatccgga cggccatgtgatcctgcgcggtggtaaagcgccgaactatagccctgcggatgttgcgcaatgt gaaaaagagatggaacaggcgggactgcgcccgtctctgatggtagattgcagccacggtaatt $\verb|ccaataaagattatcgccgtcag[tot]| \verb|gcggtggcagaatccgtggttgctcaaatcaaagat|$ ggcaatcgctcaattattggtctgatgatcgaaagtaatatccacgagggcaatcagtcttccg agcaaccgcgcagtgaaatgaaatacggtgtatccgtaaccgatgcctgcattagctgggaaat gaccgatgccttgctgcgtgaaattcatcaggatctgaacgggcagctgacggctcgcgtggct ${\color{blue} {\tt taa}}$ gaggtttattatggttgctgaattgaccgcattacgcgatcaaattgatgaagtcgataaa gcgctgctgaatttattagcgaagcgtctggaactggttgctgaagtg

Fig. 2

acagtcagaaataatgtggccagttttgtcattttcataggatgctcctgttatggtcgttatg tcggataacctcttccaacagtgcatttgcaggtgaatataaggcattggtttaagatttcagc ttgtaggagagatctcgtttttcgcgacaatctggcgtttttcttgctaattccaggattaatc [c]gttcatagtgtaaaaccccgtttacacattctgacggaagatatagattggaagtattgca $\verb|ttcactaagataagtatggcaacactggaacagac| \verb|attqattatcagaacgacgatttacgcat| \\$ caaagaaatcaaagagttacttcctcctgtcgcattgctggaaaaattccccgctactgaaaat gccgcgaatacggttgcccatgcccgaaaagcgatccataagatcctgaaaggtaatgatgatc gcctgttggtt[gcg]attggccca[cgc]tcaattcatgatcctgtcgcggcaaaagagtatg ccactcgcttgctggcgctgcgtgaagagctgaaagatgagctggaaatcgtaatgcgcgtcta ttttqaaaaqccqcqtaccacqqtqqqctqqaaaqqqctqattaacqatccqcatatqqataat agettecagateaacgaeggtetgegtatageeegtaaattgetgettgatattaacgaeageg gtctgccagcggcaggtgagtttctcgatatgatcaccccacaatatctcgctgacctgatgag ctggggcgcaattggcgcacgtaccaccgaatcgcaggtgcaccgcgaactggcatcagggctt tcttgtccggtcggcttcaaaaatggcaccgacggtacgattaaagtggctatcgatgccatta atgccgccggtgcgccgcactgcttcctgtccgtaacgaaatgggggcattcggcgattgtgaa taccagcggtaacggcgattgccatatcattctgcgcggcggtaaagagcctaactacagcgcg aagcacgttgctgaagtgaaagaagggctgaacaaagcaggcctgccagcacaggtgatgatcg ccagcagattgccggtggcgaaaaggccattattggcgtgatggtggaaagccatctggtggaa ggcaatcagagcctcgagagcggggagccgctggcctacggtaagagcatcaccgatgcctgca tcggctgggaagataccgatgctctgttacgtcaactggcgaatgcagtaaaagcgcgtcgcgg $q \underline{taa}$ ggtttaattgtcggatgcgccgtcagagtggcgtatccgatgaatcaccacaggcctgat aagtcgcgcagcgtcgcatcaggcaatgtgctccattgttagcaacaaaaaagccgactcactt gcagtcggctttctcattttaacgaatgacgtttacttcgctttaccctggtttgcaacc

Fig. 3

Fig. 4

tgcaatatcgggtgctgaccggatatctttacgccgaagtgcccgtttttccgtctttgtgtca atgattgttgacagaaaccttcctgctatccaaatagtgtcatatcatcatattaattgttctt $\verb|ttttcaggtgaaggttccc|| \textbf{at} \textbf{q} \textbf{cgtctggaagtcttttgtgaagaccgactcggtctgacccgc}|$ gaattactcgatctactcgtgctaaga[gac]attgatttacgcggtattgagattgatcccat tgggcgaatctacctcaattttgctgaactggagtttgagagtttcagcagtctgatggccgaa atacgccgtattgcgggtgttaccgatgtgcgtactgtcccgtggatgccttccgaacgtgagc atctggcgttgagcgcgtta[cta]gaggcgttgcctgaacctgtgctctctgtcgatatgaaa agcaaagtggatatggcgaacccggcgagctgtcagcttttttgggcaaaaattggatcgcctgc gcaaccataccgccgcacaattgattaacggctttaattttttacgttggctggaaagcgaacc gcaagattcgcataacgagcatgtcgttattaatgggcagaatttccttgatggagattacgcct gtttatcttcaggatgaaaatgatcaacacgtcctgaccggtgcggtggtgatgttgcgatcaa cgattcgtatgggccgccagttgcaaaatgtcgccgcccaggacgtcagcgccttcagtcaaat tgtcgccgtcagcccgaaaatgaagcatgttgtcgaacaggcgcagaaactggcgatgctaagc gcgccgctgctgattacgggtgacacaggtacaggtaaagatctctttgcctacgcctgccatc aggcaagccccagagcgggcaaaccttacctggcgctgaactgtgcgtctataccggaagatgc ggtcgagagtgaactgtttggtcatgctccggaagggaagaaaggattctttgagcaggcgaac ggtggttcggtgctgttggatgaaataggggaaatgtcaccacggatgcaggcgaaattactgc gtttccttaatgatggcactttccgtcgggttggcgaagaccatgaggtgcatgtcgatgtgcg ggtgatttgcgctacgcagaagaatctggtcgaactggtgcaaaaaggcatgttccgtgaagat ctctattatcgtctgaacgtgttgacgctcaatctgccgccgctacgtgactgtccgcaggaca tcatgccgttaactgagctgttcgtcgcccgctttgccgacgagcagggcgtgccgcgtccgaa actggccgctgacctgaatactgtacttacgcgttatgcgtggccgggaaatgtgcggcagtta aagaacgctatctatcgcgcactgacacaactggacggttatgagctgcgtccacaggatattt tgttgccggattatgacgccgcaacggtagccgtgggcgaagatgcgatggaaggttcgctgga cgaaatcaccagccgttttgaacgctcggtattaacccagctttatcgcaattatcccagcacg cgcaaactggcaaaacgtctcggcgtttcacataccgcgattgccaatagttgcgggaatatgg tctgagtcagaagaagaacgaagag<u>taag</u>cgcgaatatgcctgatggtgcaacaaccatcaggca tattaaattatgettteagtacageeagagetgettegtaateeggeteggtggtgattteate caccag